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United States Patent [19]**Cormaci**[11] **Patent Number:** **5,342,639**[45] **Date of Patent:** **Aug. 30, 1994**[54] **MAKING DRY COFFEE AROMA GAS WITH
IMPROVED AROMA CHARACTERISTICS**[75] **Inventor:** **Alice M. Cormaci, Cincinnati, Ohio**[73] **Assignee:** **The Procter & Gamble Company,
Cincinnati, Ohio**[21] **Appl. No.:** **154,902**[22] **Filed:** **Nov. 18, 1993**[51] **Int. Cl.⁵** **A23F 5/46**[52] **U.S. Cl.** **426/386; 426/417;
426/594**[58] **Field of Search** **426/594, 417, 386**[56] **References Cited****U.S. PATENT DOCUMENTS**

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[57] **ABSTRACT**

Disclosed is a method for making dry coffee aroma gas with improved aroma characteristics. A stream of moisture-containing coffee aroma gas is passed through and allowed to exit a desiccant bed of calcium sulfate granules, wherein said granules initially contain less than about 0.5% adsorbed moisture by dry weight of said granules. The stream of moisture-containing coffee aroma gas is discontinued after the adsorbed moisture content of the calcium sulfate granules increases from less than about 0.5% to at least about 4.3% by dry weight of said granules, but before the moisture content of the stream of desiccant-treated coffee aroma gas exiting the desiccant bed exceeds about 1000 ppm. All of the desiccant-treated coffee aroma gas which exits the desiccant bed is collected and combined until the stream of moisture-containing coffee aroma gas is discontinued. The desiccant-treated coffee aroma gas contains between about 10 and about 200 ppm of moisture and does not exhibit an unbalanced and excessively musty aroma. The desiccant-treated coffee aroma gas can be used to aromatize food substrates, e.g., instant coffee.

12 Claims, 1 Drawing Sheet